Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2016, North Carolina

Year	Coal	Natural Gas [a]	Petroleum							Hydro-electric Power [f,g]	Biomass		Geo-thermal [g]	Solar [g,j]	Retail Electricity Sales	Net Energy [g,k]	Electrical System Energy Losses [l]	Total [g,k]
			Distillate Fuel Oil	HGL [b]	Jet Fuel [c]	Motor Gasoline [d]	Residual Fuel Oil	Other [e]	Total		Wood and Waste [g,h]	Losses and Co-products [i]						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels							Million Kilowatt-hours					Million Kilowatt-hours			
1960	3,458	41	13,385	2,635	3,401	35,875	4,584	16,310	76,190	48	--	--	--	--	17,236	--	--	--
1970	2,707	130	21,180	5,489	4,702	56,348	6,332	17,232	111,284	10	--	--	--	--	40,456	--	--	--
1980	1,546	152	23,555	7,979	5,209	66,222	9,058	9,251	121,275	3	--	--	--	--	63,889	--	--	--
1990	3,145	159	25,799	8,892	5,567	77,525	5,857	8,962	132,602	27	--	--	--	--	89,924	--	--	--
2000	1,875	221	35,042	14,101	7,277	97,833	4,969	10,720	169,943	946	--	--	--	--	119,855	--	--	--
2001	1,832	191	35,717	13,847	6,051	98,717	3,623	11,435	169,389	735	--	--	--	--	119,027	--	--	--
2002	1,729	203	33,271	12,562	4,825	100,642	3,972	9,930	165,202	1,071	--	--	--	--	122,686	--	--	--
2003	1,720	204	34,608	11,945	5,246	102,618	4,904	9,778	169,099	872	--	--	--	--	121,335	--	--	--
2004	1,800	203	35,996	12,122	5,397	105,414	5,910	10,341	175,179	705	--	--	--	--	125,657	--	--	--
2005	1,557	203	35,892	13,192	7,366	105,796	5,568	9,966	177,780	740	--	--	--	--	128,335	--	--	--
2006	1,341	195	35,216	13,062	5,323	106,440	4,223	9,170	173,433	506	--	--	--	--	126,699	--	--	--
2007	1,193	197	34,957	12,074	7,161	107,871	3,756	9,011	174,831	9	--	--	--	--	131,881	--	--	--
2008	1,316	207	30,110	13,201	5,225	114,153	3,618	7,408	173,715	10	--	--	--	--	130,069	--	--	--
2009	1,075	207	30,604	12,225	1,854	106,647	2,779	5,722	159,831	16	--	--	--	--	127,658	--	--	--
2010	1,075	231	31,486	12,737	1,628	107,268	2,139	R 7,708	R 162,967	13	--	--	--	--	136,415	--	--	--
2011	927	218	30,613	11,324	1,798	103,528	1,211	R 6,631	R 155,105	11	--	--	--	--	131,085	--	--	--
2012	786	213	28,497	9,665	3,919	101,518	458	R 7,298	R 151,355	386	--	--	--	--	128,085	--	--	--
2013	797	239	29,900	8,713	10,129	103,511	199	R 6,704	R 159,157	895	--	--	--	--	129,780	--	--	--
2014	742	247	31,323	10,339	8,630	103,443	170	R 6,854	R 160,758	14	--	--	--	--	133,133	--	--	--
2015	698	229	32,443	9,373	3,610	R 108,294	85	R 6,598	R 160,403	11	--	--	--	--	133,848	--	--	--
2016	645	229	32,626	7,920	2,635	112,222	79	8,102	163,584	14	--	--	--	--	134,404	--	--	--
	Trillion Btu																	
1960	87.3	42.2	78.0	10.3	18.2	188.4	28.8	94.9	418.7	0.5	73.7	NA	NA	NA	58.8	681.3	145.4	826.7
1970	64.3	133.2	123.4	20.9	25.7	296.0	39.8	101.5	607.3	0.1	65.9	NA	NA	NA	138.0	1,008.9	333.9	1,342.8
1980	37.8	153.4	137.2	29.7	28.7	347.9	56.9	55.7	656.1	(s)	78.9	NA	NA	NA	218.0	1,144.2	523.7	1,667.9
1990	78.5	163.8	150.3	33.1	30.8	407.2	36.8	55.3	713.6	0.3	95.7	0.0	0.1	0.2	306.8	1,359.1	696.6	2,055.7
2000	49.7	227.6	203.9	52.4	41.3	510.1	31.2	66.0	904.9	9.7	97.2	0.0	0.2	0.1	408.9	1,698.3	891.4	2,589.7
2001	48.8	199.0	207.8	51.6	34.3	514.7	22.8	70.5	901.7	7.6	93.7	0.0	0.2	0.1	406.1	1,657.2	879.0	2,536.2
2002	45.4	211.0	193.6	46.9	27.4	524.4	25.0	61.6	878.9	10.9	83.0	0.0	0.2	0.1	418.6	1,648.1	910.4	2,558.6
2003	45.4	212.9	201.4	45.0	29.7	533.9	30.8	60.6	901.5	8.8	102.1	0.0	0.3	0.1	414.0	1,685.1	892.2	2,577.4
2004	46.9	210.6	209.4	45.7	30.6	548.3	37.2	64.7	935.8	7.1	78.3	0.0	0.3	0.1	428.7	1,707.8	943.2	2,651.0
2005	40.7	210.1	208.8	49.4	41.8	549.9	35.0	62.2	947.1	7.4	83.6	0.0	0.4	0.1	437.9	1,727.3	951.5	2,678.8
2006	35.1	201.4	204.4	48.6	30.2	552.5	26.5	57.4	919.7	5.0	89.5	0.0	0.5	0.2	432.3	1,683.6	939.7	2,623.3
2007	31.2	203.8	202.2	44.9	40.6	556.1	23.6	56.7	924.2	0.1	74.0	0.0	0.6	0.2	450.0	1,683.9	1,004.1	2,688.0
2008	34.5	213.3	174.0	49.7	29.6	585.1	22.7	46.5	907.8	0.1	103.9	0.0	0.7	0.2	443.8	1,704.3	996.9	2,701.3
2009	28.3	212.5	176.9	45.8	10.5	544.0	17.5	35.9	830.5	0.2	85.8	0.0	0.8	0.3	435.6	1,594.0	964.7	2,558.7
2010	28.1	235.1	181.9	48.9	9.2	544.7	13.4	R 48.4	R 846.5	0.1	R 92.8	0.0	0.9	0.3	465.4	R 1,669.4	1,024.8	R 2,694.2
2011	24.1	221.0	176.8	43.4	10.2	524.7	7.6	R 41.6	R 804.3	0.1	R 98.3	0.0	0.9	0.4	447.3	R 1,596.4	972.2	R 2,568.6
2012	20.5	216.1	164.5	37.1	22.2	514.0	2.9	R 46.5	R 787.1	3.7	R 95.8	0.0	1.0	0.6	437.0	R 1,561.8	926.8	R 2,488.6
2013	21.5	242.1	172.5	33.4	57.4	524.0	1.3	R 41.9	R 830.5	8.5	R 102.8	0.0	1.0	1.3	442.8	R 1,650.5	888.7	R 2,539.2
2014	19.7	253.2	180.7	39.7	48.9	523.4	1.1	R 42.8	R 836.6	0.1	R 99.5	0.0	1.0	1.7	454.2	R 1,666.0	905.9	R 2,571.9
2015	18.2	237.3	187.1	36.0	20.5	R 548.0	0.5	R 41.1	R 833.2	0.1	R 99.6	0.0	1.0	1.8	456.7	R 1,647.8	894.2	R 2,542.0
2016	17.0	236.6	188.2	30.4	14.9	567.7	0.5	51.1	852.8	0.1	92.4	0.0	1.0	3.0	458.6	1,661.5	892.3	2,553.8

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

[c] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.

[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

[i] Losses and co-products from the production of fuel ethanol.

[j] Solar thermal and photovoltaic energy. Includes a small amount of wind energy consumed by commercial and industrial utility-scale facilities.

[k] Beginning in 2009, includes wind energy consumed by the commercial and industrial sectors. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.